



Switching actuator 6-gang

Order-No. : 1008 00

Operating instructions

1 Safety instructions

Electrical equipment may only be installed and fitted by electrically skilled persons.

Failure to observe the instructions may cause damage to the device and result in fire and other hazards.

Danger of electric shock. Always disconnect before carrying out work on the device or load. At the same time, take into account all circuit breakers that supply dangerous voltage to the device or load.

Danger of electric shock. Device is not suitable for disconnection from supply voltage.

Danger of electric shock on the SELV/PELV installation. Do not connect loads for mains voltage and SELV/PELV together on a single switch actuator.

Do not connect any three-phase motors. Device can be damaged.

These instructions are an integral part of the product, and must remain with the end customer.

2 Device components

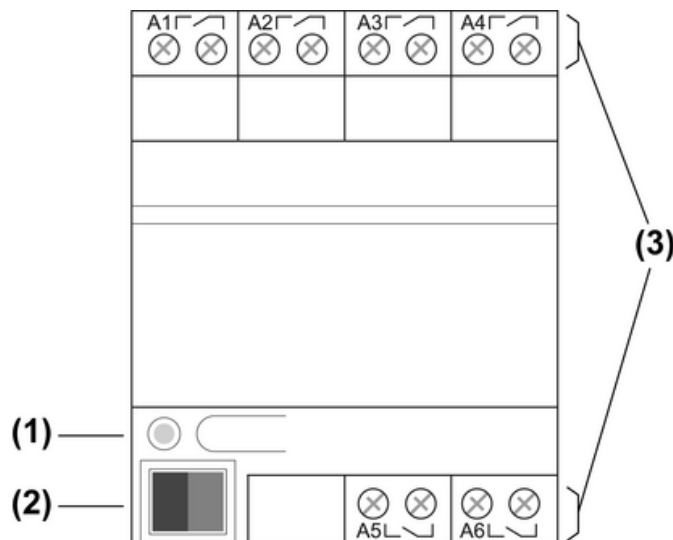


Figure 1: View of switch actuator 6gang

- (1) Programming button and LEDs
- (2) KNX connection
- (3) Connection of relay outputs

3 Function

System information

This device is a product of the KNX system and complies with the KNX directives. Detailed technical knowledge obtained in KNX training courses is a prerequisite to proper understanding.

The function of this device depends upon the software. Detailed information on loadable software and attainable functionality as well as the software itself can be obtained from the manufacturer's product database. Planning, installation and commissioning of the device are

carried out with the aid of KNX-certified software. The latest versions of product database and the technical descriptions are available on our website.

Intended use

- Switching of AC 230 V electrical loads with floating contacts
- Mounting on DIN rail according to EN 60715 in distribution boxes

Product characteristics

- Operation as NO or NC contacts
- Logic and restraint function
- Feedback function
- Disabling function for each channel
- Time functions: switch-on delay, switch-off delay
- No additional power supply necessary

i When activated by a central telegram the relay outputs of the actuator switch with a slight time delay.

4 Information for electrically skilled persons

4.1 Fitting and electrical connection



DANGER!

Electrical shock when live parts are touched.

Electrical shocks can be fatal.

Before carrying out work on the device or load, disengage all the corresponding circuit breakers. Cover up live parts in the working environment.

Fitting the device

Observe the temperature range. Ensure sufficient cooling.

- Mount the device on DIN rail.

Connecting the device

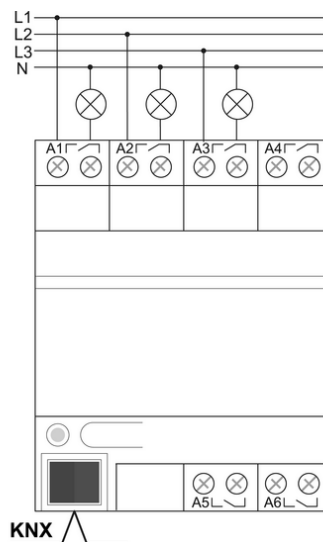


Figure 2: Connection example Switch actuator

Note permitted loads.

- Connect device as shown in the connection example (Figure 2).

- If multiple miniature circuit breakers supply dangerous voltages to the device or load, couple the miniature circuit breakers or label them with a warning, to ensure release is guaranteed.
- Connect bus cable with bus connection terminal.
- ❗ Various external conductors can be connected.

Installing the cover

It is necessary to install a cover to protect the bus connection against hazardous voltages in the connection area.

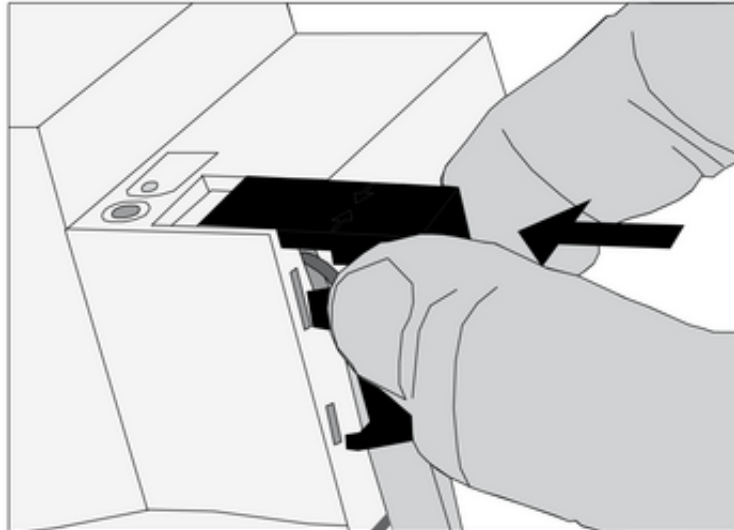


Figure 3: Installing the cover

- Route the bus cable towards the rear.
- Install cover on top of the bus terminal so that it snaps into place (Figure 3).

Removing the cover

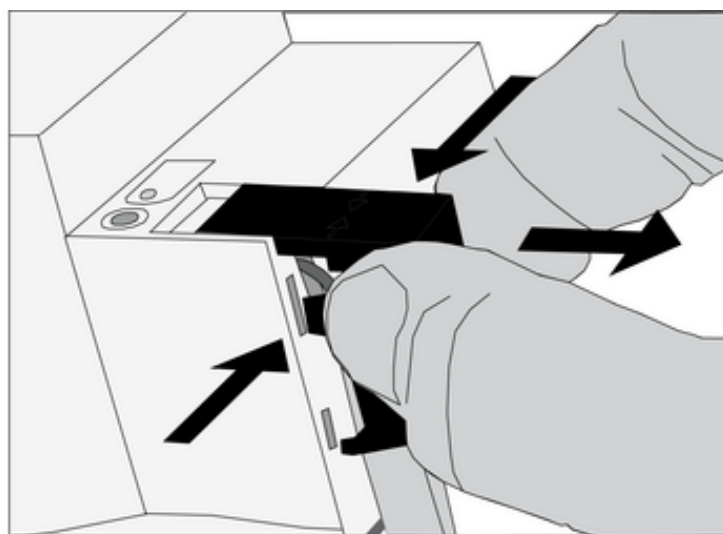


Figure 4: Removing the cover

- Press the cover to the side and pull it off (Figure 4).

4.2 Commissioning

Load the address and the application software

- Switch on the bus voltage
- Press the programming button.
The programming LED lights up.
- Assign physical address.
The programming LED goes out.
- Write the physical address on the device label.
- Load the application software into the device.

5 Appendix

5.1 Technical data

KNX medium	TP 1
Commissioning mode	S-mode
Rated voltage KNX	DC 21 ... 32 V SELV
Connection type for bus	Connection terminal
Power consumption KNX	typical 150 mW
Ambient temperature	-5 ... +45 °C
Storage/transport temperature	-25 ... +70 °C
Switching outputs	
Contact type	μ
Switching voltage	AC 250 V ~
Switching current	6 A
Capacitive load	6 A / 14 μF
Minimum switching current AC	100 mA
Switch-on current 20 ms	max. 120 A
Lamp loads	
Incandescent lamps	1200 W
HV halogen lamps	1200 W
Inductive transformers	500 VA
Tronic transformers	500 W
Fluorescent lamps, uncompensated	500 VA
Fluorescent lamps, duo circuit	1000 VA
Connection of outputs	
Single stranded	0.5 ... 4 mm ²
finely stranded without conductor sleeve	0.34 ... 4 mm ²
finely stranded with conductor sleeve	0.14 ... 2.5 mm ²
Fitting width	72 mm / 4 modules

5.2 Warranty

The warranty is provided in accordance with statutory requirements via the specialist trade.

Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/electrical specialist trade). They will forward the devices to the Gira Service Center.

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